

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a system of underground cables for propelling street-cars, two cables crossing each other and traveling in different directions, in combination with a street-car, a vertically-sliding bar to connect with said cables, and mechanism arranged at said crossing to automatically raise said bar up and clear of both of said cables upon passing the place of intersection and then allow said bar to fall into contact again with its cable, substantially as and for the purpose specified.

2. In a system of underground cables for propelling street-cars, two cables crossing at an angle, in combination with inclined guideways, said guideways beginning below said cables and meeting at or near the point of crossing and at some distance above it, substantially as and for the purpose specified.

3. In a system for underground cables for propelling street-cars, two cables crossing each other, in combination with a street-car provided with the vertically-sliding bar H, carrying on

its bottom guide or friction-wheels L and inclined guideways C, substantially as and for the purpose specified.

4. The combination of an underground cable as a propeller for street-cars with a car, G, and a rod or bar, H, adapted to slide vertically, and provided on its bottom with a roller, J, substantially as and for the purpose specified.

5. The combination of conduit A, covers E, having longitudinal slot e, cable B, rollers D D, car G, provided with vertically-sliding bar H, inclined guideways C, and heating-pipes M, substantially as and for the purpose specified.

6. The combination of conduit A, curved to turn a corner, vertically-pivoted guide-rollers, provided with flanges upon which the cable rests, with cable B, consisting of longitudinal strands B' and cross-bars b, substantially as and for the purpose specified.

In testimony of which invention I hereunto set my hand.

LAURENCE MYERS.

Witnesses:

R. M. HUNTER,  
R. S. CHILDS, Jr.